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**E & A CONSULTING GROUP, INC.**

*Engineering Answers*

Zachary A. Jilek, CPESC, CISEC  
 Environmental Services Dept. Manager

Inspector: Aaron Tulley	E&A - P2018.109.002	Stage
	<b>Gallery 23 East</b>	
Project Name:	CSW-201702253 (Mass Grading) CSW-210802622 (Intersection Improv-Pending) CSW-201802623 (Water Main Improvements) CSW-201802624 (East Lift Station)	2
For Week Ending:	<b>9/14/2019</b>	
Project Location:	County Road U and Lincoln Highway- Fremont, NE (Dodge County)	<b>68025</b>

	Gallery 23 East	Water Main Project	Lift Station & Force Main	Intersection Impr.
Grading:	93%	100%	99%	0%
Sanitary Sewer:	97%	N/A	100%	0%
Storm Sewer:	65%	N/A	N/A	0%
Paving:	65%	N/A	N/A	0%
Seeding:	1%	90%	99%	0%
Utilities:	82%	N/A	N/A	0%
Overall Development:	25%	99%	99%	0%

RAIN FALL AMOUNTS	Amount in inches	Date inspected	Weather Conditions	
				<b>Week 1</b>
Sunday:	0.00"			
Monday	0.24"	08/26/19	Tstorm 81/63	
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.12"			
				<b>Week 2</b>
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.01"			
				<b>Week 3</b>
Sunday:	0.05"			
Monday	0.43"	9/9/2019	Tstorm 83/69	
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			

**Complaints:**

**Construction Sequencing:**  
 Which portion(s) (i.e. drainage basins) of the site have had a temporary or permanent cessation of grading, earthwork, or ground disturbance in the last 14 days?

Grading has begun on Gallery 23 East project in Phases I, II, and III (8/2017). Major cessation of grading has occurred on Gallery 23 East project and minor grading will occur on Gallery 23 East (8/30/2018). Grading for water installation on NW perimeter and along Rd 25 (10/23/18). Grading has temporarily ceased (1/10/19). Grading in the NE corner of site for sanitary installation (4/5/19). Grading for roads (6/4/19). Grading for utilities, storm, and roads throughout project (6/17/19). Excavation along southwest portion ROW for gas installation (6/18/19). Excavation in the southeast portion of the site for utilities (6/18/19). Excavation throughout the site for gas installation (6/24/19). Excavation for storm sewer (7/16/19) **Trenching for utility installation throughout the site and excavation for sanitary lift station installation on the west side of the lake (8/26/19). Fine grading throughout the site in preparation for paving (09/09/19).**

Lift Station and Sanitary Force Main grading/excavation began (7/23/2018). Minor grading to be completed at a later date.

Water improvements grading/excavation has begun (10/9/18). Grading has temporarily ceased (1/10/19). Grading occurred in between Hwy 30 and Menards to still water main between last inspection (2/7/19) and current inspection (2/20/19), but grading had ceased at time of inspection. Grading along Hwy 275 (4/5/19). Grading for water main project has ceased (4/19/19)

Highway 30 intersection improvements have not begun as of last inspection.

**Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days? :**

Grading has begun on Gallery 23 East project in Phases I, II, and III (8/2017). Major cessation of grading has occurred on Gallery 23 East project and minor grading will occur on Gallery 23 East (8/30/2018). Grading for water installation on NW perimeter and along Rd 25 (10/23/18). Grading has temporarily ceased (1/10/19). Grading in the NE corner of site for sanitary installation (4/5/19). Grading for roads (6/4/19). Grading for utilities, storm, and roads throughout project (6/17/19). Excavation along southwest portion ROW for gas installation (6/18/19). Excavation in the southeast portion of the site for utilities (6/18/19). Excavation throughout the site for gas installation (6/24/19). Excavation for storm sewer (7/16/19) **Trenching for utility installation throughout the site and excavation for sanitary lift station installation on the west side of the lake (8/26/19). Fine grading throughout the site in preparation for paving (09/09/19).**

Lift Station and Sanitary Force Main grading/excavation began (7/23/2018). Minor grading to be completed at a later date.

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Highway 30 intersection improvements have not begun as of last inspection.

**What temporary or permanent stabilization measures listed in this section are being implemented?**

Existing vegetation (8/30/2018). Seeding and matting in ditch for sanitary lift main (9/19/18). Seeding around banks of E side of lake (11/6/18).

**Summary Questions:**

**Are approved entrances and adjacent streets being maintained adequately?**

Yes

**Are receiving waters adjacent to the project free of any significant signs of erosion or sediment that would be associated with the construction activity?**

Yes

**Checklist Questions:**

**Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?**

No - See Findings Section

**Is dust associated with the construction activity adequately controlled on the site?**

Yes

**Comments:**

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The site was **active** during the last inspection for the Gallery 23 East project for utility and sanitary installation. The majority of the site has vegetated with weeds, so site will not be seeded at this time. **Building Construction has begun in northeast corner of the site as of the 8/26/19 inspection.**

Lift Station and Sanitary Force Main projects are nearing completion. Work is occurring on the southeast intersection of County Road U and the project. County Road U Blvd and East 16th Street ditches will be stabilized in the coming weeks as of 8/30/2018. E&A will continue to monitor. Street ditches were seeded and matted prior to inspection on 9/19/18.

Water Improvements project has begun as of last inspection. Dirt piles from water main improvement project are being moved over to Gallery 23 East project in low areas. Dirt will be spread at a later date (2/7/19). Water project was inactive during last inspection. All HR Bookstrom equipment was removed from the site prior to inspection on 5/20/19. **Vegetative cover has improved as of the 8/26/19 inspection.**

Highway 30 intersection improvements project not active as of the last inspection.

**Findings / Corrective Actions (Date):**

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1. See BMP section for required maintenance.
2. Diesel fuel tanks need to be bermed on site as of 8/30/2018. Pruss Excavation will be informed to complete by 9/6/2018. Not done as of last inspection. Thompson Construction was informed to complete by 10/16/18. Not done as of last inspection. Thompson Construction was reminded on 3/27/19, 5/3/19, 6/18/19, **8/26/19.**
3. The portable toilet on site needs to be secured. E&A inspector informed Jim Hammit to inform Thompson Construction to complete by 5/10/19. Not done as of the last inspection. The portable toilet was knocked over prior to inspection on 5/28/19. Portable toilet needs to be picked up and secured. Thompson Construction was informed to complete by 6/4/19. The portable toilet was picked up prior to inspection on 6/3/19. Thompson was reminded to secure the portable toilet on 6/18/19, 7/8/19, **8/26/19.**
4. The water main project areas need to be stabilized due to lack of activity in the area. Per a conversation with Jim Hammit of E&A Consulting Group, HR Bookstrom is aware of the stabilization needed and will be performing the maintenance soon. E&A will monitor. No signs of seeding as of the last inspection. HR Bookstrom was reminded on 6/18/19. The project areas are filling with volunteer vegetation as of the last inspection. E&A will continue to monitor for final stabilization. **Vegetative establishment has improved throughout all project areas as of the 8/26/19 inspection.**


Unique Name	Type	Location	Projected Install Date	Status	Maintenance
<b>Gallery 23 East</b>					
CE 1	Construction Entrance	County Road Blvd U		Removed	
<b>Current Condition:</b>	Removed - Thompson Construction removed the construction entrance in preparation for paving prior to inspection on 9/9/19.				
CE 2	Construction Entrance	County Road 25/Highway 30		Removed	
<b>Current Condition:</b>	Removed - Pruss was removing the construction entrance during inspection on 6/18/19 in preparation for paving.				
CP #1	Culvert protection	Central portion of site	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Culvert protection will be installed at a later date.				
CP #2	Culvert protection	Southeast corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Culvert protection will be installed at a later date.				
CW	Concrete Washout	Northeast corner of site	7/8/2019	Pending	No
<b>Current Condition:</b>	Pending - A concrete washout pit was installed by Steve Harris Construction prior to inspection on 6/17/19. The old concrete washout pit was removed and the washout pit was relocated to the northeast corner of the site prior to inspection on 7/8/19. The concrete washout pit was relocated prior to inspection on 7/21/19. The concrete washout pit was temporarily removed prior to inspection on 8/2/19. E&A will recommend reinstallation prior to paving commencing in the southern portion of the site.				
DW #1	Ditch Wattle Checks	Middle Central	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Ditch wattle checks will be installed when grading has ended.				
DW #2	Ditch Wattle Checks	Southwest corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Ditch wattle checks will be installed when grading has ended.				
DW #3	Ditch Wattle Checks	Southeast corner	8/30/2018	Active	No
<b>Current Condition:</b>	Good Condition - Wattles checks were installed on the southeast side prior to 8/30/2018.				
DD #1	Diversion Ditch	NW Corner of Lake	11/6/2018	Active	No
<b>Current Condition:</b>	Good Condition - After further evaluation, as of 1/10/19 inspection, wattles/checks will no longer be recommended.				
DD #2	Diversion Ditch	W side of Lake		Active	
<b>Current Condition:</b>	Removed - Thompson Construction removed the diversion ditch prior to inspection on 9/19/18.				
DD #3	Diversion Ditch	SW corner of lake		Active	
<b>Current Condition:</b>	Removed - Thompson Construction removed the diversion ditch prior to inspection on 9/19/18.				
DD #4	Diversion Ditch	S Side of lake		Active	
<b>Current Condition:</b>	Removed - Thompson Construction removed the diversion ditch prior to inspection on 9/19/18.				
DD #5	Diversion Ditch	E side of lake		Active	
<b>Current Condition:</b>	Removed - Thompson Construction removed the diversion ditch prior to inspection on 9/19/18.				
DD #6	Diversion Ditch	NE corner of lake	8/30/2018	Active	No
<b>Current Condition:</b>	Good Condition - After further evaluation, as of 1/10/19 inspection, wattles/checks will no longer be recommended.				
DD #7	Diversion Ditch	N side of lake	9/25/2018	Active	No
<b>Current Condition:</b>	Good Condition - Due to grade of the lot and an access road being installed, silt fence or straw bale checks will not be recommended at this time. E&A will monitor.				
EB #2	Erosion Blanket	Northeast corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Erosion control matting and seeding will be installed when grading has ended.				
EB #3	Erosion Blanket	Around Lake (Outlot B)	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Erosion control matting and seeding will be installed when grading has ended.				
IP 1	Inlet Protection	Area Inlet in SE portion of the site	8/19/2019	Pending	Yes
<b>Current Condition:</b>	Pending - Inlet protection should be installed  Jim Hammitt was informed to inform Thompson Construction to complete by 8/19/19. <b>Not done as of the last inspection.</b>				
SB #1	Sediment Basin	Central portion of site	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Basin will be installed once grading has commenced at a later date.				
SB #2	Sediment Basin	Southeast corner	8/30/2018	Pending	No

<b>Current Condition:</b>	Pending - Basin will be installed once grading has commenced at a later date.				
SF #1	Silt Fence	Southeast corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Silt Fence will be installed at a later date.				
SF #2	Silt Fence	Northeast corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Silt Fence will be installed at a later date.				
STR	Street cleaning	Off-Site	In Place	Active	No
<b>Current Condition:</b>	Good Condition - The streets near CE 2 were clean at time of inspection on 7/8/19.				
SWPPP Sign-SI	Signs	2 Entrances	10/9/2018	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Inspector installed 1 of 2 SWPPP signs during inspection on 10/9/18. Other SWPPP sign will be installed at the County Rd U Blvd entrance at a later date. The E&amp;A inspector reinstalled the SWPPP sign during inspection on 4/19/19. The SWPPP sign was temporarily removed for paving prior to inspection on 6/24/19. The E&amp;A inspector reinstalled the SWPPP sign during inspection on 7/16/19. The SWPPP sign fell over prior to inspection on 8/12/19. <b>The E&amp;A inspector reinstalled the SWPPP sign during inspection on 8/26/19.</b></p> <p><b>The SWPPP Sign needs reinstalled as of the 9/9 inspection</b></p> <p><b>The E&amp;A inspector will attempt to reinstall during next inspection by 9/23/19</b></p>				

### Sanitary Lift Station and Force Main

CE 1	Construction Entrance	County Road Blvd U		Removed	
<b>Current Condition:</b>	Removed - See CE1 for Gallery 23 project as of 8/30/2018.				
CW	Concrete Washout	County Road Blvd U		Removed	
<b>Current Condition:</b>	Removed - See CW for Gallery 23 project as of 8/30/2018. No concrete is being poured for the sanitary lift project.				
DC #1	Ditch Wattle Checks	Sheet C-603	9/13/2018	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Ditch wattle checks were installed by Carstensen Contracting prior to inspection on 9/19/18</p> <p>Ditch wattle checks on the east side of CE 1 need to be repositioned/repared</p> <p>E&amp;A inspector informed Jim Hammit to inform Thompson Construction to complete by 3/31/19. Not done as of the last inspection. Thompson was reminded on 5/3/19, 6/18/19, 7/23/19.</p>				
DC #2	Ditch Wattle Checks	Sheet C-604	9/13/2018	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Ditch wattle checks were installed by Carstensen Contracting prior to inspection on 9/19/18</p> <p>Ditch wattle checks need to be repositioned/repared</p> <p>E&amp;A inspector informed Jim Hammit to inform Thompson Construction to complete by 3/31/19. Not done as of the last inspection. Thompson was reminded on 5/3/19, 6/18/19, 7/23/19.</p>				
DC #3	Ditch Wattle Checks	Sheet C-605		Removed	
<b>Current Condition:</b>	Removed - The ditch wattle checks were removed prior to inspection on 8/26/19.				
DC #4	Ditch Wattle Checks	Sheet C-606		Removed	
<b>Current Condition:</b>	Removed - The ditch wattle checks were removed prior to inspection on 8/26/19.				
EB #1	Erosion Blanket	Along ditch between Rd 25 and lift station	9/13/2018	Active	No
<b>Current Condition:</b>	<p>Good Condition - Erosion control blanket was installed by Carstensen Contracting prior to inspection on 9/19/18. The blanket is underwater as of inspection on 3/24/19. E&amp;A will monitor once water subsides. Ditch was disturbed during natural gas installation prior to inspection on 7/8/19. <b>Weedy vegetation has filled in the ditch. E&amp;A will continue to monitor vegetative establishment.</b></p>				
EB #2	Erosion Blanket	Along ditch W of 25 E of Hwy 275	9/13/2018	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Erosion control blanket was installed by Carstensen Contracting prior to inspection on 9/19/18</p> <p>The blanket has been washed away in multiple locations along the run and should be repaired/reinstalled</p> <p>E&amp;A inspector informed Jim Hammit to inform Thompson Construction to complete by 3/31/19. Not done as of the last inspection. Thompson was reminded on 5/3/19, 6/18/19, 7/23/19.</p>				
EB #3	Erosion Blanket	E of Roundabout		Removed	
<b>Current Condition:</b>	Removed - Vegetation is well established in the area, therefore, the erosion control matting will no longer be inspected as its own BMP.				
STR	Street cleaning	Off-Site	In Place	Active	No
<b>Current Condition:</b>	Good Condition - No signs of trackout.				
SWPPP Sign-SI	Signs	2 Entrances		Removed	
<b>Current Condition:</b>	Removed - See SWPPP signs under Gallery 23 East project				

### Water Main Extension

CW	Concrete Washout	County Road Blvd U		Removed	
<b>Current Condition:</b>	Removed - Concrete washouts will not be necessary for the water main project as of the 8/2/19 inspection.				
SF #1	Silt Fence	Area #1		Removed	
<b>Current Condition:</b>	Removed - There is no silt fence in this area, see IP 1 and IP 2 for BMPs in Area #1				
IP 1	Inlet Protection	N side of 24th St (Enlarged Area #1)		Removed	
<b>Current Condition:</b>	Removed - HR Bookstrom removed the inlet protection prior to inspection on 6/24/19.				
IP 2	Inlet Protection	S side of 24th St (Enlarged Area #1)		Removed	
<b>Current Condition:</b>	Removed - HR Bookstrom removed the inlet protection prior to inspection on 6/24/19.				
SF #2	Silt Fence	Area #2		Removed	
<b>Current Condition:</b>	Removed - Due to established vegetation in the area, straw wattles will no longer be recommended in the area. E&A will monitor.				
SF #3	Silt Fence	Area #3		Removed	
<b>Current Condition:</b>	Removed - Silt fence will not be needed in the area due to stabilization as of 7/21/19 inspection.				
SF #4	Silt Fence	Area #4	10/4/2018	Pending	No
<b>Current Condition:</b>	Pending - Silt fence will be installed when grading reaches area. Due to improvement in stabilization, silt fence will no longer be recommended. E&A will monitor.				
SF #5	Silt Fence	Area #5	10/4/2018	Pending	No
<b>Current Condition:</b>	Pending - Silt fence will be installed when grading reaches area. Due to improvement in stabilization, silt fence will no longer be recommended. E&A will monitor.				
SF #6	Silt Fence	Area #6		Removed	
<b>Current Condition:</b>	Removed - Silt fence will not be needed in the area due to stabilization as of 7/21/19 inspection.				
STR	Street cleaning	Off-Site	In Place	Active	No
<b>Current Condition:</b>	Good Condition - Streets showed signs of improvement, however, some street cleaning is still necessary. H.R. Bookstrom Construction cleaned the streets at 24th St prior to inspection on 1/10/19. HR Bookstrom cleaned the streets prior to inspection on 6/24/19.				
SWPPP Sign-SI	Signs	2 Entrances		Removed	
<b>Current Condition:</b>	Removed - See SWPPP signs under Gallery 23 East project				
<b>Inspector Signature:</b>			<b>Reviewed By:</b> 